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L8	27	6 not 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 23:54
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L10	4	(obtain or obtaining or obtained or read or reading or check or checking or checked) with (status or alert or property or identification or online or offline or (off adj line) or information) with (before or prior or earlier) with (update or updating or updated or run or activate or activated or activating or complete or completed or completing) with (peripheral or printer or scanner) same (network or (communication adj link))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 23:58

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L12	1	11 same (status or alert or ready or online or offline or (off adj line))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 23:59
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L14	34	(obtain or obtaining or obtained or read or reading or check or checking or checked) with (status or alert or property or identification or online or offline or (off adj line)) with (before or prior or earlier) with (update or updating or updated or run or activate or activated or activating or complete or completed or completing) same (duration or time or latency or runtime) with (reduce or reducing or reduction or reduced or lessen or less or minimize or minimized or minimizing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 00:02
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L16	28	14 not 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/16 00:02
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Supporting autonomic computing functionality via dynamic operating system kernel



aspects

Best 200 shown

Michael Engel, Bernd Freisleben

March 2005 Proceedings of the 4th international conference on Aspect-oriented software development AOSD '05

Publisher: ACM Press

Full text available: pdf(381.44 KB) Additional Information: full citation, abstract, references, index terms

To master the complexity of software systems in the presence of unexpected events potentially affecting system operation, the Autonomic Computing Initiative [16] aims to build systems that have the ability to control and organize themselves to meet unforeseen changes in the hard- and software environment. The basic principles employed by autonomic computing are self-configuration, self-optimization, self-healing and selfprotection. Typically, these principles are cross-cutting concerns, s ...

Keywords: NetBSD, autonomic computing, dynamic aspects, operating system kernel, organic computing

² Partitioning digital worlds: focal and peripheral awareness in multiple monitor use



Jonathan Grudin

March 2001 Proceedings of the SIGCHI conference on Human factors in computing systems

Publisher: ACM Press

Full text available: pdf(216.65 KB)

Additional Information: full citation, abstract, references, citings, index terms

Software today does not help us partition our digital worlds effectively. We must organize them ourselves. This field study of users of multiple monitors examines how people with a lot of display space arrange information. Second monitors are generally used for secondary activities related to principal tasks, for peripheral awareness of information that is not the main focus, and for easy access to resources. A second monitor improves efficiency in ways that are difficult to measure yet can ...

Keywords: awareness, displays, multiple monitors

Analysis of aarchitectural features for enhancing the performance of a database



machine

E. A. Ozkarahan, K. C. Sevcik

December 1977 ACM Transactions on Database Systems (TODS), Volume 2 Issue 4

Publisher: ACM Press

Full text available: pdf(1.41 MB)

Additional Information: full citation, abstract, references, citings, index terms

RAP (Relational Associative Processor) is a "back-end" database processor that is intended to take over much of the effort of database management in a computer system. In order to enhance RAP's performance its design includes mechanisms for permitting features analogous to multiprogramming and virtual memory as in general purpose computer systems. It is the purpose of this paper to present the detailed design of these mechanisms, along with some analysis that supports their valu ...

Keywords: associative processors, computer architecture, database machines, database management

An environmental simulator for the FDNY computer aided dispatch system

October 1976 Proceedings of the 2nd international conference on Software engineering

Publisher: IEEE Computer Society Press

Full text available: 📆 pdf(817.10 KB) Additional Information: full citation, abstract, references, index terms

FDNY's MICS computer-aided dispatch system is designed about dual PDP 11/45s and supported in fallback by dual INTEL 8080 micro-processors. The computer processes alarms, assigns available units, notifies these units by voice and hard copy terminals located in the fire stations, monitors status changes of firefighting units and incidents, and dynamically adjusts firefighting coverage for maximum effect. This paper describes the MICS environmental simulator that was used to test a ...

Keywords: Environmental simulator, Load generation, Performance monitoring, Scaffolding, System profile, Utilization

5 Status report of the graphic standards planning committee



Computer Graphics staff

August 1979 ACM SIGGRAPH Computer Graphics, Volume 13 Issue 3

Publisher: ACM Press

Full text available: Top pdf(15.01 MB) Additional Information: full citation, references, citings

Draft Proposed: American National Standard—Graphical Kernel System



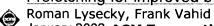
Technical Committee X3H3 - Computer Graphics

February 1984 ACM SIGGRAPH Computer Graphics, Volume 18 Issue SI

Publisher: ACM Press

Full text available: pdf(16.07 MB) Additional Information: full citation

7 Prefetching for improved bus wrapper performance in cores



January 2002 ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 7 Issue 1



Publisher: ACM Press

Full text available: pdf(430.83 KB)

Additional Information: full citation, abstract, references, citings, index terms

Reuse of cores can reduce design time for systems-on-a-chip. Such reuse is dependent on being able to easily interface a core to any bus. To enable such interfacing, many propose separating a core's interface from its internals by using a bus wrapper. However, this separation can lead to a performance penalty when reading a core's internal registers. In this paper, we introduce prefetching, which is analogous to caching, as a technique to reduce or eliminate this performance penalty, involving a ...

Keywords: Bus wrapper, PVCI, VSIA, cores, design reuse, intellectual property, interfacing, on-chip bus, system-on-a-chip

A bull's eye view of management and engineering information systems

Anthony G. Oettinger

January 1964 Proceedings of the 1964 19th ACM national conference

Publisher: ACM Press

Full text available: pdf(966.35 KB)

Additional Information: full citation, abstract, references, citings, index terms

Prophets of doom are apt to misquote Vannevar Bush's statement that -and-ldquo; The investigator is staggered by the findings and conclusions of thousands of other workers and-mdash; many of which he cannot find time to grasp, much less to remember, as they appear.-and-rdquo; (3) They then extrapolate to such shrill exaggerations as -and-Idquo; The enormous gap in our capacity to store and retrieve information and at the same time meet the demands and responsibilities in our society has crea ...

⁹ Three-dimensional medical <u>imaging: algorithms and computer systems</u>

M. R. Stytz, G. Frieder, O. Frieder

December 1991 ACM Computing Surveys (CSUR), Volume 23 Issue 4

Publisher: ACM Press

Full text available: pdf(7.38 MB)

Additional Information: full citation, references, citings, index terms, review

Keywords: Computer graphics, medical imaging, surface rendering, three-dimensional imaging, volume rendering

10 Special issue: Al in engineering

D. Sriram, R. Joobbani

April 1985 ACM SIGART Bulletin, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB) Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

11 All ways aware: Designing and deploying an information awareness interface

J. J. Cadiz, Gina Venolia, Gavin Jancke, Anoop Gupta

November 2002 Proceedings of the 2002 ACM conference on Computer supported cooperative work

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(701.94 KB) terms

The concept of awareness has received increasing attention over the past several CSCW conferences. Although many awareness interfaces have been designed and studied, most have been limited deployments of research prototypes. In this paper we describe Sideshow, a peripheral awareness interface that was rapidly adopted by thousands of people in our company. Sideshow provides regularly updated peripheral awareness of a broad range of information from virtually any accessible web site or database. W ...

Keywords: awareness, computer mediated communication, information overload, peripheral awareness, situational awareness

12 Energy conservation for mobile devices: Sleep: a technique for reducing energy



consumption in handheld devices

Lawrence S. Brakmo, Deborah A. Wallach, Marc A. Viredaz

June 2004 Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04

Publisher: ACM Press

Full text available: pdf(227.79 KB) Additional Information: full citation, abstract, references, index terms

Energy management has become one of the great challenges in portable computing. This is the result of the increasing energy requirements of modern portable devices without a corresponding increase in battery technology. uSleep is an energy reduction technique for handheld devices that is most effective when the handheld's processor is lightly loaded, such as when the user is reading a document or looking at a web page. When possible, rather than using the processor's idle mode, uSleep tri ...

Keywords: energy management, power management, processor sleep

13 T3-C: services & applications: Enterprise mobile applications based on presence and





logical proximity

Xueshan Shan, Alok Shriram

July 2006 Proceeding of the 2006 international conference on Communications and mobile computing IWCMC '06

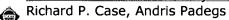
Publisher: ACM Press

Full text available: 🔂 pdf(276.28 KB) Additional Information: full citation, abstract, references, index terms

A method and application architecture are proposed for improving the sharing of presence and other information between mobile clients and enterprise servers by determining, in a hybrid peer-to-peer (P2P) network based on logical proximity, when a mobile client should share data with other peers in a group, instead of transmitting data to the servers. A "gateway-peer" is responsible for determining when to share data with peers within the group and when to transmit data to the servers. The mobile ...

Keywords: group presence, hybrid peer-to-peer, logical proximity, mobile web services, presence-based

14 Architecture of the IBM system/370



January 1978 Communications of the ACM, Volume 21 Issue 1

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index

Full text available: pdf(2.78 MB)

terms

This paper discusses the design considerations for the architectural extensions that distinguish System/370 from System/360. It comments on some experiences with the original objectives for System/360 and on the efforts to achieve them, and it describes the reasons and objectives for extending the architecture. It covers virtual storage, program control, data-manipulation instructions, timing facilities, multiprocessing, debugging and monitoring, error handling, and input/output operations. ...

Keywords: architecture, computer systems, error handling, instruction sets, virtual storage

15 Toolkits: A toolkit for managing user attention in peripheral displays

Tara Matthews, Anind K. Dey, Jennifer Mankoff, Scott Carter, Tye Rattenbury October 2004 Proceedings of the 17th annual ACM symposium on User interface software and technology

Publisher: ACM Press

Full text available: pdf(1.53 MB) Additional Information: full citation, abstract, references, index terms

Traditionally, computer interfaces have been confined to conventional displays and focused activities. However, as displays become embedded throughout our environment and daily lives, increasing numbers of them must operate on the periphery of our attention. <i>Peripheral displays</i> can allow a person to be aware of information while she is attending to some other primary task or activity. We present the Peripheral Displays Toolkit (PTK), a toolkit that provides structured support f ...

Keywords: peripheral displays, toolkits, user attention

16 ARPS: a new real-time computer

Kenneth J. Thurber

October 1976 ACM SIGARCH Computer Architecture News, Volume 5 Issue 4

Publisher: ACM Press

Full text available: pdf(1.14 MB) Additional Information: full citation, references, citings

17 Design of the real-time executive for the Univac(r) 418 system

John Michael Williams

January 1966 Proceedings of the 1966 21st national conference

Publisher: ACM Press

Full text available: pdf(1.06 MB) Additional Information: full citation, abstract, references, index terms

The UNIVAC 418 system hardware The 418 is a small- to medium-scale real-time computer announced to the general public in September of 1964. It is available in two models, identical except for storage speed (two or four microseconds). Storage and registers

18 Security: SECA: security-enhanced communication architecture

Joel Coburn, Srivaths Ravi, Anand Raghunathan, Srimat Chakradhar September 2005 Proceedings of the 2005 international conference on Compilers, architectures and synthesis for embedded systems CASES '05

Publisher: ACM Press

Full text available: 📆 pdf(396.53 KB) Additional Information: full citation, abstract, references, index terms

In this work, we propose and investigate the idea of enhancing a System-on-Chip (SoC)

communication architecture (the fabric that integrates system components and carries the communication traffic between them) to facilitate higher security. We observe that a wide range of common security attacks are manifested as abnormalities in the system-level communication traffic. Therefore, the communication architecture, with its global systemlevel visibility, can be used to detect them. The communicati ...

Keywords: AMBA Bus, access control, architecture, attacks, bus, communication, digital rights management (DRM), intrusion detection, security, security-aware design, small embedded systems, system-on-chip (SoC)

19 The operations control center multi-computer operating system

John A. Gosden

January 1964 Proceedings of the 1964 19th ACM national conference

Publisher: ACM Press

Full text available: 📆 pdf(799.00 KB) Additional Information: full citation, abstract, references, index terms

An OPCON computer system is a facility required to support the strategic requirements of a command to maintain, update, compute, and retrieve data on a demand basis. This is effectively an on-line data handling system. The basic design principles of an Operations Control Center computer system require certain capabilities of performance, reliability, response, and capacity. A discussion of the equipment complex provided to meet these requirements is given in reference 1. This fac ...

A software retrieval service based on adaptive knowledge-driven agents for wireless



environments

Eduardo Mena, Arantza Illarramendi, Jose A. Royo, Alfredo GoñI September 2006 ACM Transactions on Autonomous and Adaptive Systems (TAAS), Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, references, index terms

The ability to retrieve software in an easy and efficient way confers competitive advantage on computer users in general and, even more especially, on users of wireless devices (like some laptops, PDAs, etc.). In this article, we present a software retrieval service that allows users to select and retrieve software in an easy and efficient way, anywhere and anytime. Two relevant components of this service are: 1) a software ontology (software catalog) which provides users with a semantic descrip ...

Keywords: Software retrieval, adaptive multiagent systems, pervasive and mobile computing

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Network device manager - Patent 6947154

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Patent Number 4891784 Issue Date 1990 01 02 Appl. Data 142180 1988 ... FIFO memories buffer data between the PC's data bus and the DS interface prior to being converted to bipolar digital signals before transmission and after ... lpf.ai.mit.edu/Patents/abstracts/395250.1990-1992 - 203k - Cached - Similar pages

Patent Number 4896289 Issue Date 1990 01 23 Appl. Data 079794 1987 ... Prior to writing operation of the read-out first buffer data into the second buffer ... with at least one peripheral device over a peripheral device bus. ... lpf.ai.mit.edu/Patents/abstracts/395575.1990-1992 - 545k - Cached - Similar pages [More results from lpf.ai.mit.edu]

IPDF1 TECHNICAL SPECIFICATIONS

File Format: PDF/Adobe Acrobat - View as HTML Internal diagnostic board with LED readout. (This board also features ... connecting any peripheral device (modem or 10/100 card) and power to the system. ... www.focusinfo.com/dynassets/documents/products/POPVIDEO_%20SPECS%20&% 20INSTALL.pdf - Similar pages

EP1130874 Canon european software patent - Data processing ... Thus, in the first embodiment, in order to perform an operation for designating the updating of information of a peripheral device, separate menu items are ... gauss.ffii.org/PatentView/EP1130874 - 81k - Cached - Similar pages

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Watch pager system and communication protocol - US Patent 4713808 Prior paging systems generally provide two categories of coverage. ... When sequentially read out from PROM 934 at the 2.432 megahertz rate, this data forms ... www.patentstorm.us/patents/4713808-description.html - 146k - Cached - Similar pages

(PDF) ADSP-219x/2192 DSP Hardware Reference

File Format: PDF/Adobe Acrobat

ALU operations update status flags in the DSP's Arithmetic Status (... the ADSP-2192 and connected through the Peripheral Device Control ... www.analog.com/UploadedFiles/Associated Docs/481403281854692192hwr rev1 1.pdf -

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"peripheral device" "update status" (prior OR b Search Preferences

Web Results 11 - 17 of about 30 for "peripheral device" "update status" (prior OR before) readout. (0.15 se

IPDF) ElanSC400 and ElanSC410 Microcontrollers User's Manual

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parallel port **peripheral device** status via the status input signals, BUSY, ... placed into or **read out** of the receive FIFO. Reading a character from the ...

www.amd.com/epd/processors/4.32bitcont/13.lan4xxfam/a21030/21030.pdf - Similar pages

[PDF] S7-300 Programmable Controller Hardware and Installation

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updating the status values once via menu item Variable > Update status ... In STEP 7 (HW

Config > Hardware diagnostics) you can read out his buffer ...

mediaibox.siemens.com.br/upfiles/1140.pdf - Similar pages

Watch pager system and communication protocol - Patent Review 4713808

One such **prior** art paging system is disclosed in US Pat. ... data is routed to the microprocessor 706 within the **peripheral device** section 750 of watch 20. ...

www.wikipatents.com/4713808.html - 252k - Cached - Similar pages

[PDF] StrongARM SA-1101 Microprocessor Companion Chip

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When HIGH, indicates that the peripheral device is not ready to receive data ... Masks off

the VGA next base address update status bit when the base address ...

netwinder.osuosl.org/pub/netwinder/docs/intel/manuals/27817002.pdf - Similar pages

[PDF] Multichannel Synchronous Communications Controller

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peripheral device. Rising edge defines write. (In Motorola ... many commands are yet to be processed by CX28500 before a new command can be, issued. ...

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used to initialize the FPU state prior to using FSAVE/FNSAVE in FRC mode. The

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L19	0	((obtain or obtaining or obtained or read or reading or check or checking or checked) with (status or alert) with (before or prior or earlier) with (update or updating or updated or complete or completed or completing) and (peripheral or printer or scanner) and (network or (communication adj link))).clm.	US-PGPUB	OR	ON	2006/10/16 00:16